

AMENDMENTS TO THE CLAIMS

The following is a complete listing of revised claims with a status identifier in parenthesis.

LISTING OF CLAIMS

1. (Previously Presented) A computer readable medium having a data structure for managing reproduction of data recorded therein, comprising:

a lead-in area storing copy protection indicating information indicating whether or not the computer readable medium contains copy protection information for use in encrypting/decrypting data, the copy protection indicating information and the copy protection information being recorded in wobbled patterns, the copy protection information being encryption/decryption key information required for use in encrypting/decrypting the data; and wherein

the copy protection indicating information is included within control information recorded in the lead-in area of the computer readable medium.

2. (Cancelled)

3. (Currently Amended) The computer readable medium according to claim 1, wherein the copy protection indicating information signifies to a ~~reproducing apparatus~~ to reproduce the data directly without utilizing the copy protection information if the copy protection indicating information indicates the computer readable medium does not contain copy protection information.

4. (Currently Amended) The computer readable medium according to claim 1, wherein the copy protection indicating information signifies ~~to a reproducing apparatus~~ to reproduce the data based on the copy protection information if the copy protection indicating information indicates the computer readable medium contains copy protection information.

5. (Cancelled)

6. (Cancelled)

7. (Previously Presented) A method of forming an area of a recording medium, comprising:
forming a recordable area for storing data;
forming a portion of a lead-in area on the recording medium for storing copy protection indicating information indicating whether or not the recording medium contains copy protection information for use in encrypting/decrypting the data, the copy protection indicating information and the copy protection information being formed as wobbled patterns, the copy protection information being encryption/decryption key information required for use in encrypting/decrypting the data; and wherein
the copy protection indicating information is included within control information recorded in the lead-in area of the recording medium.

8-11. (Cancelled)

12. (Previously Presented) The method according to claim 7, wherein the copy protection indicating information and/or the copy protection information are recorded by a phase modulated method.

13. (Previously Presented) A method of reproducing data from a recording medium, comprising:

utilizing copy protection indicating information-indicating whether or not the recording medium contains copy protection information for use in encrypting/decrypting the data, to reproduce the data, the copy protection indicating information and the copy protection information being recorded in wobbled patterns, the copy protection information being encryption/decryption key information required for use in encrypting/decrypting the data; and wherein

the copy protection indicating information is included within control information recorded in a lead-in area of the recording medium.

14. (Previously Presented) The method according to claim 13, further comprising reproducing the data utilizing the copy protection information if the recording medium contains copy protection information for use in encrypting/decrypting the data, or reproducing the data directly without utilizing the copy protection information, if the recording medium does not contain copy protection information for use in encrypting/decrypting the data.

15. (Previously Presented) The method according to claim 14, wherein the reproducing includes detecting bi-phased modulated data and detecting the copy protection information using the bi-phased modulated data if the recording medium contains copy protection information for use in encrypting/decrypting the data based on the copy protection indicating information.

16. (Previously Presented) The method according to claim 14, wherein the reproducing includes (i) checking whether the copy protection indicating information is detected, (ii) reproducing data directly if the copy protection indicating information is not detected, and (iii) reproducing data utilizing the copy protection information if the copy protection indicating information is detected.

17. (Previously Presented) The method according to claim 16, wherein the (iii) further includes (iii') determining whether the copy protection indicating information is active if the copy protection indicating information is detected, (iii'') reproducing data directly if the copy protection indicating information is not active, and (iii''') detecting the copy protection information and reproducing the data utilizing the detected copy protection information if the copy protection indicating information is active.

18. (Previously Presented) The method according to claim 17, wherein in (iii''') said reproducing includes decrypting the data utilizing the copy protection information.

19. (Previously Presented) A method for playing data of a recording medium, comprising:

detecting copy protection indicating information indicating whether or not the recording medium contains copy protection information for use in encrypting/decrypting the data, the copy protection indicating information and the copy protection information being recorded in wobbled patterns, the copy protection information being encryption/decryption key information required for use in encrypting/decrypting the data; and wherein

the copy protection indicating information is included within control information recorded in a lead-in area of the recording medium; and

playing the data utilizing the copy protection information if the recording medium contains copy protection information for use in encrypting/decrypting the data, or playing the data directly without utilizing the copy protection information, if the recording medium does not contain copy protection information for use in decrypting the data, based on the detected copy protection indicating information.

20. (Previously Presented) The method according to claim 19, wherein the recording medium does not contain copy protection information for use in encrypting/decrypting the data if the copy protection indicating information indicates the recording medium does not contain copy protection information.

21. (Previously Presented) The method according to claim 19, wherein the recording medium does not contain copy protection information for use in encrypting/decrypting the data if the copy protection indicating information indicates the recording medium contains copy

protection information, but a value of the copy protection information indicates that copy protection information is not present.

22. (Previously Presented) The method according to claim 19, wherein the recording medium contains copy protection information for use in encrypting/decrypting the data when the copy protection indicating information indicates the recording medium contains copy protection information and a value of the copy protection information indicates that copy protection information is present.

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23. (Original) The method according to claim 22, wherein said playing includes decrypting the data utilizing the copy protection information.

24. (Previously Presented) A method of recording data on a recording medium, comprising:
utilizing copy protection indicating information to indicate whether or not the recording medium contains copy protection information for use in encrypting/decrypting the data, the copy protection indicating information and the copy protection information are recorded in wobbled patterns, the copy protection information being encryption/decryption key information required for use in encrypting/decrypting the data; and wherein
the copy protection indicating information is included within control information recorded in a lead-in area of the recording medium; and
recording the data based on the copy protection information.

25. (Previously Presented) The method according to claim 24, wherein the data may be recorded utilizing the copy protection information if the recording medium contains copy protection information for use in encrypting/decrypting the data, or the data may be recorded directly without utilizing the copy protection information, if the recording medium does not contain copy protection information for use in encrypting/decrypting the data.

26. (Previously Presented) The method according to claim 25, wherein the recording medium does not contain copy protection information for use in encrypting/decrypting the data if the copy protection indicating information indicates the recording medium does not contain copy protection information, wherein the recording records the data without encryption.

27. (Previously Presented) The method according to claim 25, wherein the recording medium does not contain copy protection information for use in encrypting/decrypting the data if the copy protection indicating information indicates the recording medium contains copy protection information, but a value of the copy protection information indicates that copy protection information is not present, wherein the recording records the data without encryption.

28. (Previously Presented) The method according to claim 25, wherein the recording medium contains copy protection information for use in encrypting/decrypting the data when the copy protection indicating information indicates the recording medium contains copy protection information and a value of the copy protection information indicates that copy protection

information is present, wherein the recording records the data encrypted utilizing the copy protection information.

29. (Previously Presented) The method according to claim 28, wherein encrypting the data utilizing the copy protection information precedes recording of the data.

30. (Currently Amended) An apparatus for reproducing data from a recording medium, said apparatus utilizing configured to utilize copy protection indicating information to determine whether or not the recording medium contains copy protection information for use in encrypting/decrypting the data, said apparatus configured to reproduce the data based on the copy protection indicating information and the copy protection information, the copy protection indicating information and the copy protection information being recorded in wobbled patterns, the copy protection information being encryption/decryption key information required for use in encrypting/decrypting the data; and wherein

the copy protection indicating information is included within control information recorded in a lead-in area of the recording medium.

31. (Currently Amended) The apparatus according to claim 30, wherein said apparatus reproduces is configured to reproduce the data utilizing the copy protection information if the recording medium contains copy protection information for use in encrypting/decrypting the data, or reproduces is configured to reproduce the data directly without utilizing the copy

protection information, if the recording medium does not contain copy protection information for use in decrypting the data.

32. (Currently Amended) The apparatus according to claim 31, wherein said apparatus ~~reproduces~~ is configured to reproduce the data directly if the copy protection indicating information indicates the recording medium does not contain copy protection information.

33. (Currently Amended) The apparatus according to claim 31, wherein said apparatus ~~reproduces~~ is configured to reproduce the data directly if the copy protection indicating information indicates the recording medium contains copy protection information, but a value of the copy protection information indicates that copy protection information is not present.

34. (Currently Amended) The apparatus according to claim 31, wherein said apparatus ~~reproduces~~ is configured to reproduce the data with the copy protection information when the copy protection indicating information indicates the recording medium contains copy protection information and a value of the copy protection information indicates that copy protection information is present.

35. (Currently Amended) The apparatus according to claim 34, wherein said apparatus ~~decrypts~~ is configured to decrypt the data utilizing the copy protection information.

36. (Currently Amended) An apparatus for reproducing data from a recording medium, comprising:

a detector configured to detect signals recorded on the recording medium, the signals including copy protection indicating information to determine whether or not the recording medium contains copy protection information for use in encrypting/decrypting the data, the copy protection indicating information and the copy protection information being recorded in wobbled patterns, the copy protection information being encryption/decryption key information required for use in encrypting/decrypting the data; and wherein

the copy protection indicating information is included within control information recorded in a lead-in area of the recording medium; and

a signal processor configured to process the data utilizing the copy protection information if the recording medium contains copy protection information for use in encrypting/decrypting the data, or is configured to process the data directly without utilizing the copy protection information, if the recording medium does not contain copy protection information for use in decrypting the data based on the copy protection indicating information.

37. (Currently Amended) The apparatus according to claim 36, wherein said signal processor processes is configured to process the data directly if the copy protection indicating information indicates the recording medium does not contain copy protection information.

38. (Currently Amended) The apparatus according to claim 36, wherein said signal processor processes is configured to process the data directly if the copy protection indicating information indicates the recording medium contains copy protection information, but a value of the copy protection information indicates that copy protection information is not present.

39. (Currently Amended) The apparatus according to claim 36, wherein said signal processor ~~processes~~ is configured to process the data utilizing the copy protection information when the copy protection indicating information indicates the recording medium contains copy protection information and a value of the copy protection information indicates that copy protection information is present.

40. (Currently Amended) The apparatus according to claim 39, wherein said signal processor ~~decrypts~~ is configured to decrypt the data utilizing the copy protection information.

41-48. (Cancelled)